Amendments to the Claims

Please cancel Claim 8. Please amend Claims 9, 11, 12, and 14-18.

8. CANCELLED

9. (Amended) A method as in claim 18 further comprising:

multiplexing each of the electronic signals to an error amplifier circuit and generating corresponding phase adjustment signals to align the electronic signals.

11. (Amended) A method as in claim 18, wherein the receivers include inductive transducer devices.

12. (Amended) A method as in claim 18 further comprising:

adjusting a polarity of one or more of the electronic signals so that the electronic signals have the same sign and sum to produce a larger output signal.

14. (Amended) A method as in claim 18, wherein the inductive input signal includes information modulated on a carrier frequency signal.

15. (Amended) A method as in claim 18, wherein the uniquely oriented receivers are orthogonally disposed to each other.

16. (Amended) A method as in claim 18 further comprising:

comparing a phase of each of the electronic signals with a common reference signal; and

controlling a local oscillator in a corresponding phase shifter to align the phase of each electronic signal with the reference signal.

17. (Amended) A method as in claim 18 further comprising:

generating an error signal that is used to adjust a phase of at least one electronic

signal relative to a reference signal.

18. (Amended) A method for communicating, the method comprising the steps of:

receiving an inductive input signal on each of multiple uniquely oriented receivers;

generating an electronic signal corresponding to the received inductive input signal for each of the receivers;

compensating for a relative motion of the receivers with respect to the inductive input signal by adjusting a phase of at least one of the electronic signals; and

summing the aligned electronic signals to produce an output signal that corresponds to the inductive input signal.

Please add new Claims 118-122.

118. (New) A communication system comprising:

a first unit that produces a first magnetic field and receives a second magnetic field;

a second unit including a plurality of transducers having different orientations, the plurality of transducers coupled to electronics to receive the first magnetic field and produce the second magnetic field; and

a selection circuit to selectively activate at least one of the plurality of transducers to compensate for the position and orientation of the first unit relative to the plurality of transducers of the second unit.

119. (New) A communication system as in claim 118, wherein the selection circuit activates one of the plurality of transducers having a greatest amplitude of the received first magnetic field.

120. (New) A communication system as in claim 118, wherein the selection circuit activates two of the plurality of transducers having a greatest amplitude

of the received first magnetic field.

121. (New) A communication system as in claim 118 further comprising:

at least one phase adjusting circuit that is used to adjust phases of electronic signals generated by the plurality of transducers that receive the first magnetic field.

122. (New) A method as in claim 18 wherein adjusting the phase of at least one of the electronic signals substantially aligns the electronic signals with each other.